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ABSTRACT

Twelve articles and reports published between 1982 and 1984 and cited in "Resources in Education" and "Current Index to Journals in Education" are listed in this bibliography on the use of microcomputers for technical processes in libraries. Topics included are communications software for microcomputers; software for library/media center applications (including software titles for library skills instruction and library technical processes); retrospective conversion on an Apple microcomputer; software applications in communications (online database searching), word processing, administration, and database management systems; local area networks; microcomputers as interfaces to bibliographic utilities; the automated library system marketplace; in-house library databases; the need for training of media specialists in instructional and library data management applications of computers; trends in technology utilization; and system requirements and purchasing information. In addition to bibliographical information and annotations, ERIC accession numbers are provided. (THC)

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INFORMATION RESOURCES ON. . .

MICROCOMPUTERS IN LIBRARIES: TECHNICAL PROCESSES

A Selected ERIC Bibliography

Citations in this bibliography were selected from the Educational Resources Information Center (ERIC) indexes Current Index to Journals in Education (CIJE) and Resources in Education (RIE).

Bruman, Janet L. Communications software for microcomputers. San Jose, CA: CLASS, 1983. (ERIC Document Reproduction Service No. ED 234 740; MF-$.97/PC-$3.90)

Focusing on the use of microcomputers as "smart terminals" for accessing time-sharing systems for libraries, this document discusses the communications software needed to allow the microcomputer to appear as a terminal to the remote host. A glossary and bibliography are provided.

Deacon, Jim. Computer software for library/media center applications (and) an update. CMC News, Fall 1982-Win 1983. (ERIC Document Reproduction Service No. ED 233 716; MF-$.97/PC-$2.15)

List of software titles by the name and address of the company or institution from which they are commercially available. No price information is provided. Types of microcomputers are indicated for which each software package is available. Titles cover library skills instruction and library technical processes. Brief information regarding an elementary computer literacy curriculum and a library media consulting firm is also included.

Epstein, Hank. MITINET/retro: Retrospective conversion on an Apple. Information Technology and Libraries, June 1983, 2(2), 166-173. (Available UMI: EJ 286 966)

A retrospective conversion tool permitting libraries with a microfiche reader and Apple microcomputer to convert bibliographic and holdings files to computer-readable tapes in MARC format is described. The basic process, library costs and MARC tape costs use of system in Wisconsin, and user's view of the system are noted.

Ertel, Monica M. Microcomputers in libraries. Special Libraries, April 1984, 75(2), 95-101. (Available UMI: EJ 297 051)

This discussion of current microcomputer technologies available to libraries focuses on software applications in four major classifications: communications (online database searching); word processing; administration; and database management systems. Specific examples of library applications are given and six references are cited.

Farr, Rick C. The local area network (LAN) and library automation. Library Journal, November 15, 1983, 108(20), 2130-2132. (Available UMI: EJ 290 179)

Discussion of the use of inexpensive microcomputers in local area information networks (LAN) notes such minicomputer problems as costs, capacity, downtime, and vendor dependence, and the advantages of using LAN in offices and libraries, less costly LAN upgrades, library vendors and LAN systems, and LAN problems. A 28-item bibliography is provided.

Genaway, David C. Microcomputers as interfaces to bibliographic utilities (OCLC, RLIN, etc.). Online, May 1983, 7(3), 21-27. (Available UMI: EJ 281 370)

Discusses microcomputer interfacing systems which accept full MARC record from bibliographic utility, reformat and transform it into local library computer system format. Four references and list of vendors are provided.

IR051026

Matthews, Joseph R. Competition and change: The 1983 automated library system marketplace. Library Journal, May 1, 1984, 109(8), 853-860. (Available UMI: EJ 300 080)

This annual review article examines the automated library system marketplace from four perspectives: turnkey circulation systems, library developed software which may be purchased by other libraries, the microcomputer segment of market, and production of COM catalogs. Addresses of 86 turnkey vendors, software vendors, library-developed systems, and library microcomputer systems are included.

Naumer, Janet Noll. Microcomputer software packages--choose with caution. School Library Journal, March 1983, 29(7), 116-119. (Available UMI: EJ 283 017)

Briefly discusses types of software available for library and media center operations and library instruction, suggests three sources of software reviews, and describes almost 50 specific application programs available for bibliographic management, cataloging, circulation, inventory and purchasing, readability, and teaching library skills in grades 1-12. Fifteen references are included.

Tenopir, Carol. In-house databases I, software sources. Library Journal, April 1, 1983, 108(7), 639-641. (Available UMI: EJ 281 356)

In-house library databases or "private files" (online catalog, library-created indexes, citations to journal literature) are discussed, focusing on computer software directories, periodicals, general directories, and online directories as sources for information on computer software.

Truett, Carol. How well do media specialists meet the challenge of the computer. Instructional Innovator, February 1983, 28(2), 14-16. (Available UMI: 276 797)

This survey of 144 school media specialists in Nebraska examines number of microcomputers in use in schools, funding sources, present and projected use of microcomputers, computer terminal availability, level of computer use, training of media specialists, and the need for training in instructional and library data management applications of computers.

Woolls, Blanche; And Others. The use of technology in the administration function of school library media programs. Executive summary. Washington, DC: Office of Libraries and Learning Technologies, 1982. (ERIC Document Reproduction Service No. ED 225 553; MF-$.97/PC-$2.15)

Conclusions of a study of current use of technology in the administration of school library media programs and in school library/public library cooperation are summarized. 26 trends in technology utilization are listed for the administrative categories of technical services, scheduling, circulation, security systems, information retrieval, and others.

Yerkey, A. Neil. Small business microcomputer programs: Tools for library media center management. School Library Media Quarterly, Spring 1984, 12(3), 212-216. (Available UMI: EJ 300 061)

This examination of ways to use general-purpose commercial software to assist in the management of library media centers focuses on database management programs, word processing, authoring systems, and calculator (spreadsheet) programs. System requirements and purchasing information for representative programs (address, price) are provided. Six references are cited.

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All citations with EJ numbers are journal articles from CIJE and can be obtained from a library, borrowed through interlibrary loan, or ordered through UMI, 300 N. Zeeb Rd., Ann Arbor, MI 48106 ($10.00 per article), if so indicated. Those with ED numbers are from RIE and can be read at an ERIC microfiche collection or ordered in microfiche or paper copy from EDRS, P. O. Box 190, Arlington, VA 22210.

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